MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1939

J. A. BROWN, DIRECTOR

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OCTOBER 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.3	59.1	60.6	59.7	29.6	22.8	26.6	28.3	23.9	26.3
2	61.6	60.9	1.1	61.2	28.1	22.2	26.6	28.3	23.8	26.2
3	1.5	0.9	1.1	1.3	30.8	25.6	26.1	29.9	24.9	27.0
4	2.0	0.8	1.2	1.3	29.8	22.4	26.6	28.7	23.9	26.4
5	0.6	59.5	59.7	59.9	30.0	22.5	26.6	28.8	24.9	26.8
6	60.0	59.5	59.5	59.7	29.7	23.1	26.1	28.9	24.8	26.6
7	0.4	9.5	9.2	9.7	30.0	23.1	26.9	28.8	24.4	26.7
8	1.0	60.4	60.5	60.7	30.0	23.9	27.2	28.8	24.9	27.0
9	0.5	59.2	58.7	59.5	29.4	24.2	26.6	28.8	24.8	26.7
10	58.1	7.5	9.8	8.5	29.4	22.2	26.1	28.3	24.4	26.3
11	60.4	59.9	60.4	60.2	28.6	23.6	24.9	27.7	23.9	25.5
12	0.8	8.5	59.8	0.0	27.8	21.1	25.2	26.3	23.8	25.1
13	0.3	9.6	60.2	0.0	29.2	22.4	25.9	27.7	23.8	25.8
14	0.6	60.0	0.4	0.3	28.3	21.1	25.4	27.6	23.3	25.4
15	0.6	59.8	0.4	0.3	27.8	21.3	24.7	26.7	22.2	24.5
16	60.9	59.9	60.0	60.3	27.8	21.1	23.0	26.9	24.8	24.9
17	0.1	9.3	59.9	59.8	29.4	21.9	26.3	28.2	26.1	26.9
18	0.4	9.1	8.7	9.4	30.3	22.8	27.7	28.6	27.1	27.4
19	59.8	8.7	9.1	9.2	30.0	22.6	29.4	29.4	27.1	28.6
20	60.2	8.3	60.0	9.8	33.1	25.8	28.4	31.7	26.1	28.7
21	59.9	58.7	58.8	59.1	31.9	24.4	29.4	30.5	25.5	28.5
22	60.2	60.1	60.8	60.7	32.6	22.1	27.5	30.2	26.4	28.0
23	1.9	1.4	1.6	1.6	30.1	24.2	28.1	29.9	26.5	28.2
24	1.2	0.0	0.8	0.7	30.0	25.6	25.6	27.8	25.5	26.3
25	1.2	0.4	0.7	0.8	29.7	24.4	24.4	26.5	23.3	24.7
26	61.4	60.4	61.2	61.0	27.5	20.7	24.1	26.7	22.8	24.5
27	1.8	0.7	1.5	1.3	26.9	20.9	24.8	25.8	24.4	25.0
28	1.6	0.7	0.7	1.0	26.8	21.1	24.8	26.3	23.9	25.0
29	1.0	0.8	0.9	0.9	28.6	20.9	25.2	25.4	23.8	24.8
30	2.4	2.0	1.0	1.8	26.6	20.8	24.3	25.1	23.3	24.2
31	59.2	58.6	59.5	59.1	24.6	19.4	21.1	23.6	21.7	21.3
	760.68	759.85	760.25	760.28	29.17	22.98	25.99	27.94	24.52	26.11

Barometer, range for month 757.5 mm.—762.4 mm.
,, 62-yr. average for month 761.39 mm.
Thermometer, range for month 19.4° C.—33.1° C.
,, 62-yr. average for month 24.53° C.
Rain, total for month 0.25 mm.
,, , 62-yr. average for month 49.28 mm.
,, , total, from Sept. 1st 0.25 mm.
62-yr. average, total from Sept. 1st 55.88 mm.

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	15.5	15.5	15.5	15.5	60	54	70	61	8.0	180.4	
2	16.5	18.4	18.5	17.8	63	64	84	70	9.1	122.2	
3	19.5	18.3	17.7	18.5	77	58	75	70	8.3	166.2	
4	15.5	18.0	16.4	16.6	60	61	74	65	9.0	236.0	
5	16.5	17.6	16.8	17.0	63	59	71	64	9.3	194.5	
6	17.0	17.1	19.3	17.8	67	57	82	69	6.8	196.8	
7	19.4	19.6	19.2	19.4	74	64	84	74	9.1	240.5	
8	19.2	20.1	19.3	19.5	72	68	82	74	8.8	257.4	
9	19.7	20.3	19.5	19.8	76	68	84	76	8.9	214.0	
10	18.9	19.4	20.3	19.5	75	68	89	77	7.2	378.0	
11	13.9	13.2	18.7	15.3	60	48	85	64	9.4	212.0	
12	14.6	14.9	16.5	15.3	61	58	75	65	5.3	176.0	
13	15.1	15.7	14.4	15.1	60	57	65	61	7.9	210.0	
14	13.0	13.9	4.9	13.9	54	51	70	58	9.4	191.3	
15	13.3	14.1	13.9	13.8	58	54	69	60	9.4	350.0	
16	15.3	16.4	16.9	16.2	73	62	72	69	10.9	478.0	
17	15.9	17.6	17.3	16.9	61	61	69	64	10.6	237.6	
18	20.3	17.7	14.4	17.5	73	61	54	63	9.3	232.8	
19	14.1	22.7	16.5	17.8	46	74	62	61	9.8	146.0	
20	17.3	14.8	17.9	16.7	60	42	71	58	4.9	126.0	
21	13.2	14.3	20.5	16.0	43	44	84	57	9.3	128.0	
22	17.9	16.8	13.0	15.9	66	64	50	60	1.6	178.0	
23	13.9	16.0	13.1	14.3	49	51	51	50	10.0	75.6	
24	18.8	17.5	17.7	18.0	77	63	72	71	8.0	88.4	
25	16.9	18.4	17.7	17.7	74	71	83	76	8.8	121.4	
26	17.3	18.3	15.7	17.1	77	70	76	74	10.2	158.6	
27	14.0	16.4	18.1	16.2	60	66	80	69	7.7	399.4	
28	19.9	17.5	16.6	18.0	76	68	75	73	8.2	278.2	
29	12.0	16.9	16.4	15.1	51	69	74	65	7.6	230.8	
30	15.1	18.9	16.9	16.0	67	80	79	75	7.1	501.0	
31	12.8	10.7	10.5	11.3	70	50	53	58	4.9	700.6	0.25
	16.20	17.00	16.77	16.66	64.6	60.8	73.0	66.7	8.24	238.91	0.01

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

62-year averages are for period, 1875-1936

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cuci	9cu	0	4.0	3sw	3w	1w	mod.	
2	2ci	0	0	0.7	3sw	1s	2s	calm	
3	5cu	0	3cuci	2.7	1w	1w	2w	,,	
4	3cu	3cu	1cu	2.3	2sw	3w	1w	slight	
5	0	8cu	1cu	3.0	2s	2nw	2w	,,	
6	2cu	2cu	0	1.3	0	3w	2w	slight	
7	1cu	2cu	0	1.0	1se	2nw	3w	,,	
8	2cu	5cu	3cu	3.3	1n	2nw	3w	,,	
9	0	1cu	3cu	1.3	1nw	2w	3w	,,	
10	0	2cu	2cu	1.3	4s	3w	3w	,,	
11	6cu	0	0	2.0	3sw	2w	1w	mod.	
12	8ci	10cu	0	6.0	2s	2n	2w	slight	
13	3cu	2cu	3cu	2.7	2w	2nw	2w	,,	
14	2cu	2cu	2cu	2.0	2s	2w	1w	,,	
15	1cu	0	0	0.3	2sw	2w	0	,,	
16	0	0	0	0.0	3s	5n	5w	mod.	gale, p.m.
17	0	0	0	0.0	0	4n	2w	,,	
18	0	0	0	0.0	0	3n	2n	slight	
19	0	0	2cu	0.7	2s	2w	2w	,,	
20	10cuci	0	2ci	4.7	3s	1ne	1w	,,	
21	2ci	0	2ci	1.3	1n	2se	1n	slight	
22	10cu	10cu	1ci	7.0	2ne	1w	3w	calm	
23	0	0	2ci	0.7	0	1w	2w	,,	
24	1cu	2ci	4ci	2.3	1w	2w	0	,,	
25	3cu	3ci	8cu	4.7	0	2s	2w	,,	
26	2cu	2cu	1cu	1.7	0	2w	2w	calm	
27	10cist	8ci	8cu	8.7	0	3n	6n	slight	gale, p.m.
28	3ci	7cu	8cu	6.0	1w	4n	1n	mod.	
29	10cu	10cu	8cu	9.3	1se	0	3w	slight	
30	5cu	5cu	4cu	4.7	3s	4w	4w	mod.	
31	10cu	9cu	9cu	9.0	3se	5w	4w	rough	gale, p.m.
				3.03	1.6	2.4	2.2		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	2	1	0	3	8	5	4	1	7	31
14:30	6	1	0	1	2	0	16	4	1	31
20:30	4	0	0	0	1	0	24	0	2	31
Totals	12	2	0	4	11	5	44	5	10	93

Number of days with rain 10, fog 0, thunderstorms 0, gale 3.

62-yr. average number of days with rain during month 3.5